

# FOLIO

THE UNIVERSITY OF ALBERTA STAFF BULLETIN

EDMONTON, ALBERTA

20 APRIL 1978

## SUN DAY

*The brightest of the heavenly bodies,  
the luminary or orb of day;  
the central body of the solar system,  
around which the earth  
and other planets revolve,  
being kept in their orbits  
by its attraction  
and supplied with light and heat  
by its radiation  
in the Ptolemaic system  
reckoned as a planet,  
in modern astronomy,  
as one of the stars*

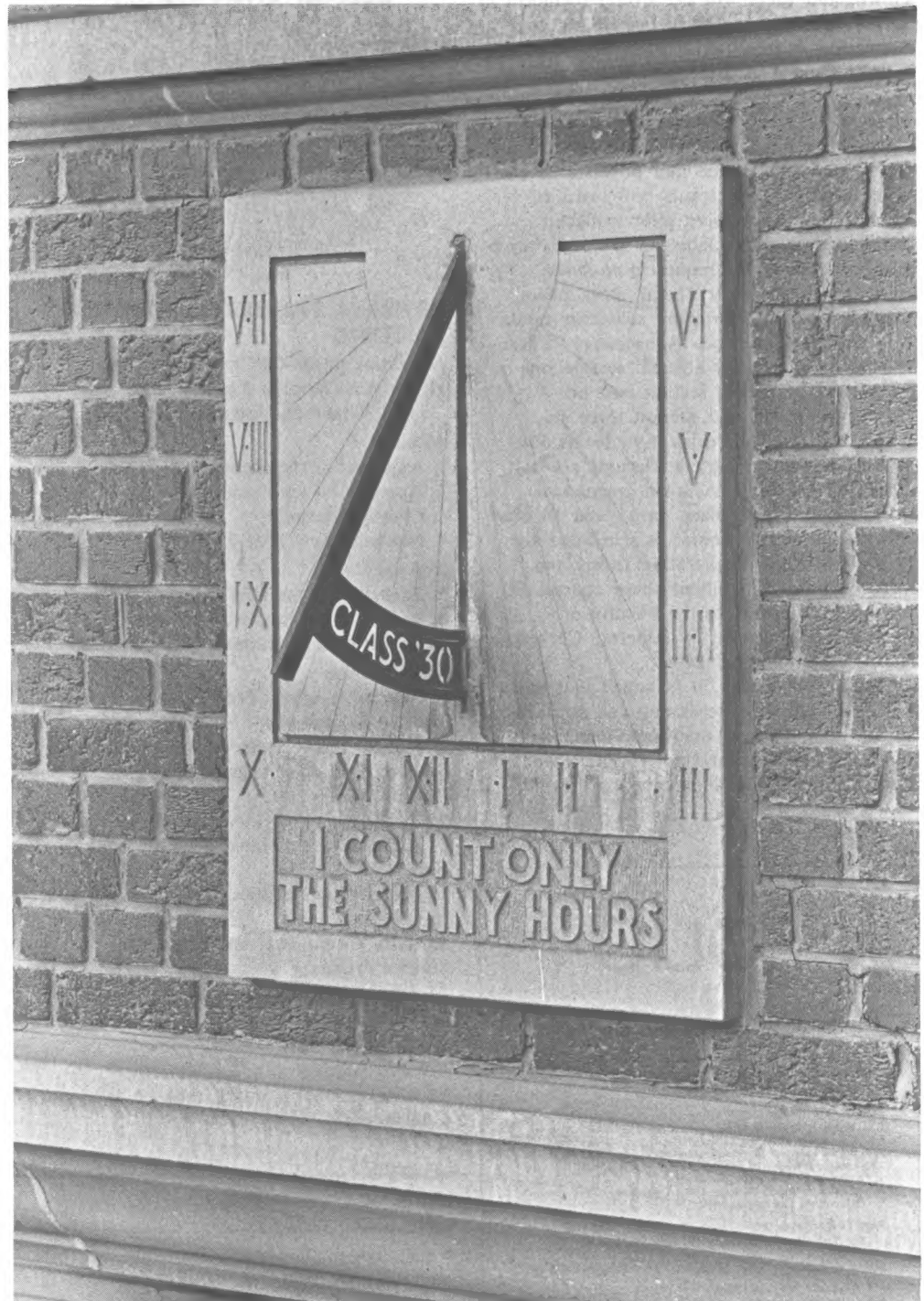
To a large extent, the *Oxford English Dictionary's* rather laudatory definition of the sun (quoted above) reflects the reasoning behind the creation of International Sun Day.

Sunlight has been described as the world's only inexhaustible, non-polluting, safe, terrorist-resistant, and free energy resource. Even when the Sun is not shining, its energy is at work making the winds blow, clouds form, rain fall, and trees and crops grow. Although such basic information is known to most grade-school science classes, the oil, gas, and nuclear technology that surrounds us today often makes us forget the windmills, solar panels, woodstoves, and small hydro dams that have been with us for centuries.

On 3 May, there will be an international celebration of the Sun. Activities will be taking place across Canada and the United States, and the Northern Alberta Chapter of the Solar Energy Society of Canada Inc. (SESOCI) is sponsoring a number of activities from 28 April to 6 May. The activities that have been scheduled thus far are listed below. It is important to remember, however, that a Sun Day celebration can be as simple as wearing a sweater and the turning the thermostat down.

From 1 to 6 May there will be a number of displays dealing with solar energy available for public viewing. The displays will be at Muttart Conservatory, the Janzen Nature Centre, Public Libraries, and at the Northern Alberta Institute of Technology.

On 3 May, a panel discussion will be held at 7 p.m. in 2-115 Education North. The panelists will include T.L. Powrie of the Department of Economics, Dave Panar of Cheriton Associates, Stan Druge of the Department of Economics, and Dick D'Alquen,



*The sun dial pictured above is located on the south end of the Arts Building. As well as telling time, the sun offers a variety of other services on a daily basis.*

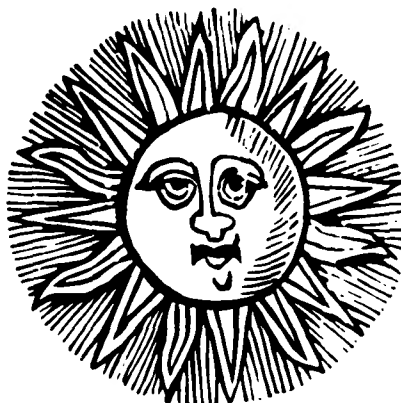
the Chairman of the Northern Alberta Chapter of SESCO. The focus of the discussions will be on the economics of renewable energy.

On 4 May, there will be an evening of films beginning at 7 p.m. in the Music Rooms of the Centennial Library. Various films on solar and alternate energy will be shown, and there will be several members of SESCO present to answer questions. Admission is free.

The Faculty of Extension has scheduled a two-day workshop to coincide with the week of activities. Course number 810 is designed to introduce basic concepts of solar energy for home and domestic hot water heating. Participants will learn to build in an inexpensive solar collector, and materials are included in the registration fee. Participants are requested to bring screwdrivers, hammer, hand saw, pliers, and, if possible, a propane soldering torch. No building experience is necessary. There will be three sections offered: section one on 27 and 28 April; section two on 29 and 30 April; and section three on 1 and 2 May. The registration fee is \$50. Two other solar energy workshops are scheduled for May. A solar greenhouse workshop will take place on 13 and 14 May and a solar design course is scheduled for 27 and 28 May. Registration forms and further information about these courses is available by writing to the Faculty of Extension, University of Alberta, Corbett Hall, Edmonton T6G 2G4.

Finally, on 3 May, it is hoped that there will be a Sun Rise ceremony and breakfast at Hawrelak Park at 6:30 a.m. Plans for the Sun Rise ceremony are still tentative, and further information about any of the planned

activities and information and assistance for creating other Sun Day celebrations is available by telephoning 432-5318 or 434-6326.



## GENERAL FACULTIES COUNCIL MEETING

A meeting of the GFC will be held on Monday, 24 April at 2 p.m. in the Council Chamber, University Hall.

### Agenda

1. Approval of the agenda
2. Approval of the minutes
3. Question Period
4. New members 1978-79

### Reports

5. Executive Committee report
6. Report of the Board of Governors
7. Report of the Nominating Committee

### New Business

8. Academic Appeal Procedures: Revised Regulations
9. Revised Selection and Review Procedures for Deans and Department Chairmen: Consolidation
10. SAFE Campus Committee: Final Report
11. Committee on Native Studies: Annual Report 1977
12. Equal Opportunities Committee: Request to Lift from Table
13. GFC Committees and Procedures Student Proposal
14. GFC Meetings during Examinations: Student Proposal
15. Other business

### For Information

16. Change in Minimum Grade 12 Average: CAT Report

## PEOPLE

- L.C. Green, University Professor, recently addressed the Canadian Institute of International Affairs (Edmonton Branch) on "The legalization of terrorism."
- Harry Wohlfarth, Professor in the Extension

Department, has been invited to have two one-man exhibitions of his work in West Germany this summer. The city of Bad Woerishofen has invited him to exhibit his latest works at the City Gallery, and the City Gallery of Koenigsfeld has also planned a one-man exhibition of Mr. Wohlfarth's work.

■ Hugh McNaught, a graduate student in the Faculty of Library Science, is the recipient of a grant from Health and Welfare Canada. The grant, which has been awarded by the Non-Medical Use of Drugs Directorate, will be used to establish better bibliographic control of legislative materials regulating the non-medical use of drugs by minors in Alberta and British Columbia.

■ R.L. Busch, Associate Professor of Slavic Languages, recently read a paper on "Neo-Gothic currents in the major fiction of Dostoevsky" at the Slavic Institute, Klagenfurt, Austria.

■ Bruce Peel, Librarian to the University, is a recipient of the Queen's Silver Jubilee Medal.

## NOTICES

*Notices must reach the Editor by 9 a.m. the Thursday prior to publication. Written notification is necessary.*

### Director of Housing and Food Services

*The following information has been received from Professor L.C. Leitch, Vice-President (Finance and Administration).*

David B. Young has resigned as director of Housing and Food Services for personal reasons and has accepted the position of Administrative Officer (Financial Services) in that Department. M.G. Poole, Executive Assistant to the Vice-President (Finance and Administration) has been appointed Acting Director. It is intended to advertise for a new Director as soon as possible.

### Travel Study Course in Eastern Europe

This summer the Division of East European Studies will offer a travel course to Eastern European countries. Under the direction of M. Gulutsan, students will depart on 30 June for the tour. The itinerary is as follows: from 1 to 5 July in Moscow; from 5 to 17 July live and study on the Dnieper River boat from Odessa to Kiev; from 17 to 21 July in Kiev, Lviv, and Chernivtsi; and from 22 July to 4 August in Romania. The course, Interdisciplinary 446, will be offered for a \$170 registration fee and \$1,950 for food and lodging. Further information is available from the Division of East European Studies, 300 Athabasca Hall, telephone 432-3230.

### Clinical Sciences Building Renovations

Following the examination of the cladding of the Clinical Sciences Building last spring,

# FOLIO

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Jeanette Rothrock, Editor

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## ENERGY COSTS AND CONSUMPTION: ADMINISTRATION BUILDING

*The following information has been received from R.J. Burns, Director of Energy Management. This is the third in a series of articles illustrating energy costs and consumption on campus.*

Cost of utilities in the Administration Building went up 15 percent in 1976 over 1975. Consumption is down 23 percent (See Table 3).

A great deal of effort has been made by the Department of Physical Plant toward energy savings within the Administration Building resulting in the decrease in consumption.

Tables 1 and 2 compare the Administration Building energy consumption

and costs for fiscal years 1975/76 and 1976/77. Note that the water and sewer consumption has decreased 80 percent in 1976 over 1975. This decrease is due to a modification of the building system to permit use of air cooled refrigeration equipment for the computing facility, replacing domestic water cooling.

In addition to illustrating the actual consumption, the actual energy units used in the various categories have been converted to their equivalent of kWh. This equivalent is described as Building Energy Ratio (BER) to simplify comparison of dissimilar units. The average BER of all buildings on campus is approximately 88 equivalent kWh/sq.ft./yr.

Table 3 reflects increases in cost within the one-year span, even though consumption has dropped.

Table 1. Energy consumption, cost, BER, of major utilities in Administration Building 1975/76

|                 | Consumption     | Cost     | ¢/sq. ft. | BER<br>E.kWh/sq. ft. |
|-----------------|-----------------|----------|-----------|----------------------|
| Electrical      | 1,047,900 kWh   | \$10,400 | 20        | 20.5                 |
| Steam           | 7,724,300 lb.   | 6,500    | 13        | 46.2                 |
| Water & Sewer   | 593,900 cu. ft. | 3,000    | 6         | —                    |
| Chilled Water   | 129,300 ton hr. | 4,100    | 8         | 8.8                  |
| Total Utilities |                 | 24,000   | 47        | 75.5                 |

Table 2. Energy consumption, cost, BER of major utilities in Administration Building 1976/77

|                 | Consumption     | Cost     | ¢/sq. ft. | BER<br>E.kWh/sq. ft. |
|-----------------|-----------------|----------|-----------|----------------------|
| Electrical      | 1,037,400 kWh   | \$15,000 | 29        | 20.3                 |
| Steam           | 4,894,300 lb.   | 7,400    | 15        | 29.3                 |
| Water & Sewer   | 120,600 cu. ft. | 800      | 2         | —                    |
| Chilled Water   | 157,700 ton hr. | 5,000    | 10        | 8.8                  |
| Total Utilities |                 | 28,200   | 56        | 58.4                 |

Table 3. Change in energy consumption, cost, expressed as percentage.

|                 | Change in Consumption | Change in Cost |
|-----------------|-----------------------|----------------|
| Electrical      | -1.0%                 | +30.7%         |
| Steam           | -36.6%                | +12.2%         |
| Water & Sewer   | -79.7%                | -73.3%         |
| Chilled Water   | +18.0%                | +18.0%         |
| Total Utilities | -22.6%                | +14.9%         |

the University has decided to have the large panels further anchored to the building. Tenders have been called for this work, and operations are expected to start in April and continue through to August. The procedure involves drilling holes through the concrete slabs and into the building frame, followed by the insertion of appropriate anchor bolts. Some re-caulking may be done around the panels, but no removal of panels is envisaged. The work will be carried out by a suspended work-platform rather than by the use of a crane, and evacuation of the building for reasons of safety will not be necessary. Undoubtedly the drilling and bolting will

create noise and vibration, but the level of nuisance cannot be estimated. Should the inconvenience prove excessive for certain activities, appropriate restrictions and scheduling can be negotiated with the Campus Development Office.

### Western Canada Open Chess Championship

The Western Canada Open Chess Championship will be held from 29 April to 7 May in the Students' Union Building. Registration may be made in advance and also from 10 a.m. to 1 p.m. on the first day of the Championship. The Championship will be a nine-round Swiss tournament, and

weekday rounds will be held in the evening. The entry fee is \$30. Further information can be obtained by writing to Box 119, University of Alberta, Edmonton T6G 2E0.

### Creative Dramatics for Children

A class in creative dramatics for children who are six years old to nine years old is being offered during the Spring Session. There will be fourteen sessions in drama, storytelling, movement, and art from 2 to 19 May. Classes will take place each day from 4 p.m. to 5 p.m. For further information about registration contact T. Craig, telephone 432-5870. There will be no fee for participation in the classes.

### Wilfred Schmidt and Juanita Chambers Retirement Dinner

Colleagues and friends of Wilfred Schmidt, Chairman, Department of Educational Psychology, and Juanita Chambers, Professor of Educational Psychology, are invited to attend a retirement dinner in honor of these two members of the academic staff. The dinner will be held on Monday, 1 May, in the Northern Alberta Pioneers and Old Timers Cabin, 9430 Scona Road. The evening will commence at 6:30 p.m., and dinner will be served at 7 p.m. Tickets are available from the receptionist in the office of the Department of Educational Psychology, 6-102 Education North.

### Shape Up for Summer program

The Department of Athletic Services of the Faculty of Physical Education and Recreation is offering three conveniently scheduled courses "designed for men and women of all ages and levels of fitness, who would like to be gently guided into a better physical condition." The courses will take into account the various levels of fitness of people in each group, so that each person receives "enough but not too much exercise." Instructors for the courses will be Art Burgess and Larry Borysyk. The fee for twenty classes will be \$35.

The "Early Birds" course, beginning on Tuesday, 25 April, will be held Tuesdays and Fridays from 6:45 to 7:30 a.m. The "Mid-Day Madness" group, also beginning on 25 April, will meet Tuesdays and Thursdays from 11:40 a.m. to 12:20 p.m. The "Four O'Clock Quickie" program will begin on Monday, 24 April, and will be held Mondays and Wednesdays from 4:15 to 5 p.m. For more information about the program or for application forms, contact the Department of Athletic Services, at 432-3365.

### Service Corridor Phase VIII

During the next six weeks a portion of sidewalk on the east side of 114 Street near the Nurses' Residence will be closed to pedestrian traffic. The University regrets the inconvenience to the public; however,

the closure is necessitated by the construction of a short length of the interconnecting Service Corridor.

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## THIS WEEK AND NEXT

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Listings must reach the Editor by 9 a.m. Thursday one week prior to publication. Written notification is preferred.

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### 20 APRIL, THURSDAY

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#### Cinematheque 16

7:30 p.m. *Rashomon* (Japan, 1950). Directed by Akira Kurosawa and starring Toshiro Mifune and Machiko Kyo. Downstairs, Edmonton Art Gallery. Admission is \$2 for members and \$2.50 for non-members. Tickets available at the door.

#### Canadian Feature Films/NFB Shorts

9 p.m. *Between Friends and Neighbors*. Strathcona Municipal Library, Sherwood Park. Admission is free.

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### 21 APRIL, FRIDAY

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#### Grad House

Friday Night at Grad House. Open 4 p.m. to 6 p.m. and 8:30 p.m. to midnight. Refreshments available.

#### Faculty Club

*Downstairs*. Friday buffet: prime rib of beef, baked ham, salad bar, fresh vegetable, baked potato, dessert table, \$5.50.

*Upstairs*. Chef's special: onion soup, Waldorf

salad, chicken Kiev, rice, fresh vegetable, French pastry, \$7.95. Also lobster soufflé, \$15, and regular dinner menu. Reservations required. Entertainment: Pepper Mill.

#### Dance Concert

8 p.m. The Dance Program of Grant MacEwan Community College presents a scholarship dance concert. Students of the program will perform ballet, modern, and jazz dances. Centennial Library Theatre. Admission is \$3 regular and \$2.50 for students and senior citizens. Tickets available at the Jasper Place Campus and at the door.

#### Observatory Tours

9 p.m. Observatory tours and observations of the night sky (weather permitting). Physics Building. Admission is free but reservations are required. For further information and reservations, telephone 432-4201.

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### 22 APRIL, SATURDAY

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#### Lampoon Puppeteers

10 a.m. and 2 p.m. "Clowning Around," a children's program performed by the Lampoon Puppeteers. Centennial Library Music Room. Admission is \$1.50 regular and \$1 for children. Tickets available at the door.

#### Faculty Club

*Downstairs*. Saturday buffet: beef kabob, roast potatoes, fresh vegetable, salad bar, dessert table, \$5.50.

*Upstairs*. Chef's special: consommé with sherry, leek salad, filet mignon chasseur, Theresa potatoes, fresh vegetable, Black Forest cake, \$7.95. Also lobster soufflé, \$15, and regular dinner menu.

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### 23 APRIL, SUNDAY

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#### Cinematheque 16

2 p.m. *Rashomon* (Japan, 1950). Directed by Akira Kurowsawa and starring Toshiro Mifune and Machiko Kyo. Downstairs, Edmonton Art Gallery. Admission is \$2 for members and \$2.50 for non-members. Tickets available at the door.

#### Princess Theatre

7 p.m. and 9 p.m. *Secret Life of Walter Mitty*. Starring Danny Kaye and Virginia Mayo. For complete information, telephone 433-5785.

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### 24 APRIL, MONDAY

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#### Princess Theatre

7 p.m. and 9 p.m. *Secret Life of Walter Mitty*. Starring Danny Kaye and Virginia Mayo. For complete information, telephone 433-5785.

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### 25 APRIL, TUESDAY

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#### Princess Theatre

7 p.m. and 9 p.m. *Secret Life of Walter Mitty*.

Starring Danny Kaye and Virginia Mayo. For complete information, telephone 433-5785.

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### 26 APRIL, WEDNESDAY

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#### Faculty Club

*Upstairs*. Petit gourmet: oysters Rockefeller, artichoke salad, tournedos Henri IV, broccoli with sauce mornay, potato berny, lemon charlotte, \$16. Reservations required.

#### Princess Theatre

7 p.m. and 9 p.m. *Treasure of Sierra Madre*. Starring Humphrey Bogart and Walter Huston. For complete information, telephone 433-5785.

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### 27 APRIL, THURSDAY

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#### Princess Theatre

7 p.m. and 9 p.m. *Treasure of Sierra Madre*. Starring Humphrey Bogart and Walter Huston. For complete information, telephone 433-5785.

#### Cinematheque 16

7:30 p.m. *Modern Times* (United States, 1936). Directed by Charles Chaplin and starring Charles Chaplin and Paulette Goddard. Downstairs, Edmonton Art Gallery. Admission is \$2 for members and \$2.50 for non-members. Tickets available at the door.

#### Edmonton Opera Association

8 p.m. Verdi's *Attila*. Directed by Irving Guttman. Edmonton Symphony Orchestra conducted by Jacqueline Richard. Jubilee Auditorium. Tickets available at all Woodward's ticket outlets.

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### 28 APRIL, FRIDAY

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#### Faculty Club

*Downstairs*. Friday buffet: prime rib of beef, baked ham, salad bar, fresh vegetable, baked potato, dessert table, \$5.50.

*Upstairs*. Chef's special: minestrone soup, chef's salad, entrecote bercy, risoli potatoes, fresh vegetable, apple pie à la mode, \$7.95. Also regular dinner menu. Reservations required.

#### Princess Theatre

7 p.m. and 9 p.m. *Treasure of Sierra Madre*. Starring Humphrey Bogart and Walter Huston. For complete information, telephone 433-5785.

#### Cinematheque 16

7:30 p.m. *Modern Times* (United States, 1936). Directed by Charles Chaplin and starring Charles Chaplin and Paulette Goddard. Downstairs, Edmonton Art Gallery. Admission is \$2 for members and \$2.50 for non-members. Tickets available at the door.

#### Edmonton Opera Association

8 p.m. Verdi's *Attila*. Directed by Irving Guttman. Edmonton Symphony Orchestra conducted by Jacqueline Richard. Jubilee Auditorium. Tickets available at all Woodward's ticket outlets.

## Summer Session Students

As the Lister Hall Complex will be in use for the XI Commonwealth Games, alternate Summer Session housing is being arranged. Students unable to make their own housing arrangements are urged to register for University accommodation by 31 May 1978. For more information, please contact the Department of Housing and Food Services, Lister Hall, University of Alberta.

#### Observatory Tours

9 p.m. Observatory tours and observation of the night sky (weather permitting). Physics Building. Admission is free, but reservations are required. For further information and reservations, telephone 432-4201.

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#### 29 APRIL, SATURDAY

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##### Spring Fair and Rummage Sale

9 a.m. The Annual Spring Fair and Rummage Sale sponsored by the Women's Committee of the Edmonton Symphony Society. Prince of Wales Armoury, 109 Avenue and 105 Street. Admission is 50 cents.

##### Faculty Club

*Downstairs.* Saturday buffet: sole bonne femme, risi bisi, salad bar, fresh vegetable, dessert table, \$5.50.

*Upstairs.* Chef's special: melon boat, mimosa salad, curried shrimp, rice, fresh vegetable, dessert wagon, \$7.95. Also regular dinner menu. Reservations required.

##### Princess Theatre

7 p.m. and 9 p.m. *Treasure of Sierra Madre*. Starring Humphrey Bogart and Walter Huston. For complete information, telephone 433-5785.

##### Edmonton Opera Association

8 p.m. Verdi's *Attila*. Directed by Irving Guttman. Edmonton Symphony Orchestra conducted by Jacqueline Richard. Jubilee Auditorium. Tickets available from all Woodward's ticket outlets.

##### South Side Folk Club

8 p.m. Duck Donald and Cathy Fink perform at the South Side Folk Club Concert. The Orange Hall, 84 Avenue and 104 Street. Admission is \$2.50 for members and \$3 for non-members. For further information, telephone 475-1042.

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#### EXHIBITIONS AND PLAYS

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##### Students' Union Art Gallery

*From 22 April.* An exhibition of the sculpture by Isla Burns.

##### University Art Gallery and Museum

*Continuing.* An exhibition of the final presentations from graduate students of the Department of Art and Design.

*Continuing.* "Hygiene of art: tearing up works of art," an exhibition of over three hundred original works of art collected from all over the world by Hervé Fisher.

##### Provincial Museum

*To 23 April.* "Ukrainians in Canada: their beautiful dream," an exhibit from the Ukrainian Arts and Crafts Museum in Saskatoon.

*To 21 April.* "Preserving Alberta's public records," an exhibition indicating the extent

and variety of government material preserved by the Provincial Archives.

##### Edmonton Art Gallery

*Continuing.* "Pastoral Pleasures," an exhibition of over forty works from the Gallery's permanent collection.

*Continuing.* "Recent Accessions," an exhibition of works acquired by the Gallery in 1977.

*Continuing.* "Eugene Atget," an exhibition of photographs by a pioneer of documentary photography.

##### Rice Gallery

*To 29 April.* An exhibition of the paintings of Madame Ilda Lubané.

##### Graphics

*To 29 April.* An exhibition of the drawings of Gloria Cantwell.

##### Latitude 53

*To 27 April.* An exhibition of recent sculpture by Lilian Klimek. Latitude 53.

##### Queen Elizabeth Planetarium

*Continuing.* "Impact," a show exploring the causes and consequences of the violent bombardment of rocky debris on the newly formed planets and satellites of our solar system four billion years ago. For ticket information and show times, contact the Planetarium, telephone 455-0119.

##### Theatre Francais d'Edmonton

*25 to 29 April.* Robert Thomas's *Double Jeu*. Faculté Saint-Jean, 8406 91 Street.

Directed by Eve Marie, assisted by Chantal Taylor. Ticket information and show times available from the Carrefours North and South and from the Théâtre Français Office, telephone 469-0829.

##### Citadel Theatre

*Continuing.* *Dames at Sea*. Directed and choreographed by Diane Nyland with musical direction of Peter Yakimovich. Shoctor Theatre. For ticket information and show times contact the Citadel Box Office, telephone 425-1820.

##### Theatre 3

*To 29 April.* Ferenc Molnar's *The Guardsman*. Directed by Robert Graham. For ticket information and show times contact the Theatre 3 Box Office, telephone 426-6870.

##### Northern Light Theatre

*To 23 April.* John Murrell's *Waiting for the Parade*. Edmonton Art Gallery Theatre. For ticket information and show times contact the Northern Light Box Office, telephone 429-3110.

##### Vancouver Playhouse

*21 and 22 April.* Joe Orton's *Loot*. Presented by the Vancouver Playhouse. Students' Union Theatre. Performances at 8:30 p.m. each evening. Admission is \$4. Tickets available

at the HUB Box Office, Mike's Ticket Office, and all Woodward's stores.

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#### LECTURES AND SEMINARS

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##### 20 April, Thursday

###### Public Lecture

10 a.m. "An evaluation of recreation research and policy in Britain," with speaker Gordon Cherry of the University of Birmingham. 345 Agriculture Building.

##### 24 April, Monday

###### Biochemistry Seminar

4 p.m. "Uses and limitations of protein crystallography," with speaker L. Ten Eyck of the University of Oregon. 470 Medical Sciences Building.

##### 26 April, Wednesday

###### Unity Through Communication

###### Inside Quebec

8 p.m. "The visual arts in Quebec," with speaker Andree Paradis O.C., Editor of *Vie des Arts*. Provincial Museum.

##### 27 April, Thursday

###### Unity Through Communication

###### Inside Quebec

8 p.m. "Business in Quebec," with speaker Frank Brady, General Counsel, Dominion Textiles Ltd. Provincial Museum.

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#### NON-CREDIT COURSES

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*The courses listed below are offered under the auspices of the Faculty of Extension. Registrations may be made and information concerning the instructors and contents of the courses may be acquired at 228 Corbett Hall or by telephoning the number at the end of each listing.*

##### SPRING CERTIFICATE PROGRAMS

The Faculty of Extension is now accepting registrations for courses being offered in the Management Development and Personnel Administration Certificate Programs for the Spring Session. These evening programs should be of interest to those individuals who wish to develop their capacities for increased responsibilities.  
*Telephone: 432-3027.*

##### TOWN AND REGIONAL PLANNING FOR ENGINEERS

Three seminars on basic town and regional planning will be offered this spring. On 27 and 28 April, there will be a seminar on subdivision plan designs which will focus on the proper design for single family, high density, and country residential subdivisions.

On 18 and 19 May, a seminar on land use will be held. Topics in this seminar will include site description, geography, land economics, zoning, and development agreements.

The third seminar will deal with the planning process and will be held on 1 and 2 June. Topics to be considered will be planning law, appeal procedures, zoning law, and Planning Act considerations. *Fee:* \$105 for each separate seminar and \$270 for all three. *Telephone:* 432-5038.

#### COMPUTING FOR EXECUTIVES

Executives who find computers an inescapable part of business and industry and who want to learn about them will have an opportunity to do so in a three-day seminar to be held on 26, 27, and 28 April. No previous knowledge is necessary to enroll in this course. *Fee:* \$225. *Telephone:* 432-5066 or 432-5067.

#### TOUGH MINDED MANAGEMENT

A one-day seminar introducing managers and other decision-making executives to Joe Batten's concept of the modern manager will be held on 28 April. The seminar will be held from 9 a.m. to 4:30 p.m. *Fee:* \$65. *Telephone:* 432-5067 or 432-5066.

#### WRITING BETTER ESSAYS

The Faculty of Extension is offering a course designed to help students acquire the skills they need for writing papers at the University level. The course will teach techniques of logical, effective presentation. Topics will include the structure of the essay, the rhetoric of the paragraph, and the style of the essay. Classes may be taken on Tuesday or Wednesday evening. The course begins in the second week of May. *Telephone:* 432-5047.

## POSITIONS VACANT

#### ACADEMIC POSITIONS

##### Administrative Officer

An Administrative Officer (APO II/III) will be appointed in the Department of Zoology from 15 June 1978. Applications are invited from females and males. Duties will include administration of the operating budget, supervision of department support staff, and liaison with the University administration, with responsibility to the Chairman of the Department. Familiarity with bookkeeping procedures and a University degree are required. Previous experience in business administration and personnel supervision is highly desirable. Interested persons should submit a letter of application and résumé to Dr. J.R. Nursall, Chairman, Department of Zoology, 312 BioSciences Centre, T6G 2E9.

#### NON-ACADEMIC POSITIONS

*The following list includes several full-time continuing positions which have received staffing approval from the Position Control Committee. To obtain further information on the following positions, please contact Personnel Services and Staff Relations, third floor, SUB, telephone 432-5201. Please do not contact the department directly. Positions available as of 14 April.*

Clerk Typist II (\$645-\$753)—Vehicle Pool Division, Physical Plant; Political Science  
Clerk Steno II (\$645-\$780)—Canadian Institute of Ukrainian Studies; Dentistry  
Clerk Typist III (\$698-\$845)—Graphics  
Programmable Typewriter Operator II (\$753-\$916)  
—Personnel Services and Staff Relations  
Medical Stenographer (\$780-\$954)—Medicine  
Data Entry Operator (\$700-\$954)—Office of Administrative Systems  
Secretary (\$243.30, part-time, trust)—Geology  
Secretary (\$813-\$995)—Biochemistry; Occupational Therapy  
Laboratory Assistant (\$3.00/hour, part-time, trust)—Genetics  
Bacteriology Technologist I/II (\$477-\$669, half-time, term, trust)—Medical Bacteriology  
Computer Assistant I (\$645-\$780)—Computing Services  
Animal Assistant I (\$671-\$813, trust)—Health Sciences Animal Centre  
Storeman I (\$698-\$845)—Bookstore (two positions)  
Technical Assistant (\$780-\$954)—Technical Services  
Maintenance Man I (\$780-\$954)—Housing and Food Services  
Technician I (\$845-\$1,036, trust)—Mechanical Engineering  
Technician I (\$845-\$1,036, term)—Mechanical Engineering  
Curriculum Technician I (\$845-\$1,036, trust)—Legal Resource Centre, Extension  
Technician I/II (\$845-\$1,175, trust)—Pharmacology  
Electronics Technician I (\$878-\$1,080)—Technical Services  
Technician II (\$945-\$1,175, trust)—Physiology  
Laboratory Technologist I (\$954-\$1,175, trust, term)—Pediatrics  
Electronics Technician II/III (\$995-\$1,395)—Biochemistry  
Engineering Technologist III (\$1,175-\$1,458)—Physical Plant, Engineering

## ADVERTISEMENTS

*All advertisements must be received by 9 a.m. the Friday prior to publication. Rate is 15 cents per word for the first week and 5 cents per word for subsequent weeks ordered before the next deadline. Minimum charge is \$1. Ads must be paid in advance and are accepted at the discretion of the Editor. We regret that no ads can be taken over the telephone. For order forms or further information, telephone 432-4991.*

#### Accommodations available

Luxury two-bedroom condominium in Kihei, Maui; available from 1 April; \$35 per night for four. 478-6077; 475-7762.

Renting 4 July - 22 August—fully furnished apartment; one bedroom, den, library. \$628 for entire period; \$100 damage deposit—payment in advance.

Twenty minutes from University. 484-8224 after four.  
For sale by owner—home in executive Blue Quill for under \$100,000. Fully carpeted, four-bedrooms, 2½ bathrooms, split-level home includes main-floor family room with tyndalstone fireplace and patio doors, bright, airy kitchen, spacious living and dining room with impressive entrance foyer. This beautiful home also has a double garage and is located on large landscaped lot. 436-3617; 425-0110 extension 205.

For sale by owner—condominium. Quick, easy access to University and downtown. Two bedrooms, two baths, air conditioned; six major appliances plus wall units. All amenities. Underground, heated parking. By appointment only. 488-8542.

For rent—near University. Professor's furnished

three-bedroom house with garage, two fireplaces. Available 1 July for one year. 436-9725.

For sale—321 acres, or part. Unspoiled nature, conifers, wildlife from moose to mouse. Lake, creek, ponds, rolling landscape. Tall forest, some tame hay. 55 miles west of city; 53 on paved highway. Owner, 432-7145 evenings.

For rent—executive four-bedroom split, carpet throughout, central vacuum, smoke detectors, patio doors; twelve minutes to University. 2 July - 16 August. \$600. 435-4541.

Townhouse, 1,233 square feet, three bedrooms, three baths, garage. Telephone 459-5012 evenings.

For rent—1 July 1978 - 31 July 1979. Malmö four-bedroom split-level, furnished, 1½ baths, rumpus room, two fireplaces. Major bus routes one block; near all schools; two miles to campus. 435-5433.

For rent during Summer Session—four-bedroom bungalow (Southgate). Fully furnished. Direct bus to University. \$500 monthly plus damage deposit. 434-3896, p.m.

For rent—three-bedroom furnished bungalow. Greenfields. Month of August. 434-8072.

For sale by owner—executive colonial style townhouse, Riverbend. 1,440 square feet, three bedrooms, fireplace, double garage, automatic opener; many extras. Originally show home. 424-4063; 487-6541.

For rent—three bedroom bungalow. Finished basement with fireplace, study, bedroom, bath. Double garage. Furnished or semi-furnished. Malmö. \$550 monthly. One-year lease, August 1978. 435-5415.

For rent—10 June - 15 August (dates negotiable). Attractive, fully furnished three-bedroom house in Garneau. Dishwasher, washing machine. Well treed; sun porch. \$350 monthly. Damage deposit. 432-0864.

For rent—attractive older three-bedroom house; Mill Creek ravine area, central to campus and downtown. Furnished for young family. 15 May to 15 December. 439-2691 evenings.

For rent—rustic country home 35 miles from Edmonton; garden, full utilities, river; 8 bedrooms. Available May - October. \$550 monthly. Telephone Karen, 967-2086.

To sublet—furnished two-bedroom apartment. May - August. 435-2132.

For sale by owner—Belgravia semi-bungalow; 1,260 square feet, three bedrooms, fully carpeted, immaculate, attractive interior. Very nicely landscaped with exceptional backyard; single heated garage. \$81,900. Principals only. 435-6164 evenings.

Private sale—Petrolia bi-level, fully developed, four bedrooms, two bathrooms, double garage. Three-minute walk to University bus routes. \$83,500. 435-7825.

For rent—excellent basement suite; two bedrooms, new carpet throughout, washer, dryer, fridge, stove; 1,000 square feet; wet bar. Only three years old; 75 Avenue - 108 Street. \$325 monthly; \$100 damage deposit. Available 1 May. 434-0801 after six.

Sublet—three-bedroom furnished, carpeted townhouse near University; minutes to downtown. Patio, garden, finished basement. \$420 monthly (negotiable). May - August. 436-8503.

For rent—one year from July. Four bedrooms, two bathrooms, fireplace, deck, double garage. Lendrum. 434-0517; 432-3579.

For sale—Aspen Gardens. Attractive three-bedroom bungalow; developed downstairs, double garage. Ravine area. Must sell. Blue Quill—quiet area. Three-bedroom deluxe, immaculate split-level, superior landscaped lot, family room, double attached garage. July possession. Mrs. Pat Anderson, Royal Trust, 435-4869; 434-4460 (residence).

Renting—new three-bedroom home, near University;



reliable students or professionals preferred, no pets; references and deposit. 433-7556 evenings.

One block from University of Victoria—furnished, modern, two-bedroom house to rent for summer session (1 July - 25 August). Complete with all amenities, including cat! \$650 includes utilities. D.R. Mais, 1794 Broadmead Avenue, Victoria, B.C. (604) 477-5160.

For rent—Sherwood Park. Open beam, four bedrooms, music room, 2½ baths, family room, fireplace, bar, 5 appliances, fenced, patio, landscaped. \$550 monthly. References. 464-0652.

For sale—New up/down duplex, 2,500 square feet. Ten percent capital cost allowance. Close to University. Immediate sale and possession. This plus other income properties. Elizabeth, Royal Trust, 439-3725; 435-4869, business.

For rent—Brand new three-bedroom house near schools, shops. Carpets, three appliances. From 1 June. \$500 monthly. 432-1222 evenings; 432-5430 days.

For rent—1 July for one year. Belgravia. Furnished four-bedroom house, 2½ bathrooms, large garage. References and damage deposit required. \$600 monthly. 436-0577.

For rent—Fully furnished three-bedroom house in north Windsor Park; study, family room, game room, fireplace, garage, large fenced yard. From 15 August 1978 through 15 August 1979. \$600 monthly. 439-3509.

For rent—To sublet to a couple. Furnished apartment, Michener Park. 1 May to 31 August. 434-0804 evenings.

For rent—Late August 1978 to 30 June 1979. Professor's home. One block campus. Fully furnished. Three bedrooms. Suit visiting professor. 439-4890.

For sale—Immaculate home. Original owner. Southside. This home is in beautiful condition, has three bedrooms, basement development, double garage, and is surrounded by mature birch and spruce trees. For showing, telephone Steve Tominuk, 436-2988, or Deanna Larson, 434-4344, Spencer Real Estate Ltd. Business, 436-5250.

For sale—\$98,000. Two-bedroom house overlooking lily pond, eighty acres, appliances, garage, greenhouse. Thirty miles from University off Highway 14. Telephone 1-662-2742.

For sale—Family and/or revenue property in Parkallen. Two-bedroom bungalow. Self-contained, one-bedroom suite in basement. Hardwood floors, all appliances, nicely decorated, large fenced yard. Corner lot. Direct bus to University. \$75,000. 435-5776 after 6 p.m.

For sale—"Coach Home" style condominium, ground level, patio, grassed enclosure, open fireplace, in Surrey Gardens. \$53,900. Reina Proudfoot, Royal Trust. 436-2566, 435-4869

For sale—Custom built McConnell two-storey with a view. In Laurier Heights. Five spacious bedrooms, 2½ baths, den, attached double garage. Large treed lot. Excellent condition. Reina Proudfoot. Royal Trust. 435-4869, 436-2556 for appointment.

For sale—Immediate walking distance to University. 10924 79 Avenue. Elizabeth, Royal Trust; 439-3727, or business, 435-4689.

For rent—One-bedroom furnished apartment. Garneau. July, August. \$280 month. 439-9497 evenings.

For rent—1 May, one-bedroom basement suite. \$225 including utilities. 10831 85 Avenue. 435-7735.

For sale—Immaculate condominium in convenient southside location. Two bedrooms, super kitchen with breakfast nook and ample cupboard space, large dining room, extra storage space. Denise Rout, 432-7398, 436-5250, Spencer Real Estate.

#### Accommodation wanted

Wanted to rent—furnished two-bedroom house or suite near University. 1 May to 31 October 1978. 432-5560.

Wish to sub-rent rooms or apartments near University, 28 June to 18 August 1978. Please telephone Lynn Sharpe, Commonwealth Sculpture Symposium, 428-2365 or 423-5049.

Going on sabbatical? Quiet professional family wish to lease (for one year) and care for your home beginning July 1978. 415-322-3688 collect (evenings).

Law professor (married, no children) requires accommodation for coming academic year. Please write: E.R. Meehan, 1835 Lakeshore Drive, Dorval Montreal, H9S 2E9. References and damage deposit supplied upon request.

Mature professional theatre couple, no children, require apartment or house, July/August to April. Ideally, sabbatical or sublet. Highest references. Gary Dahms, Head of Wardrobe, Citadel Theatre. 426-4811.

Exchange Victoria home for home or apartment in Edmonton 1 June - 31 August 1978. References required. Contact: Hotke, 4517 Cheeseman Road, Victoria, B.C., V8Z 5M9. 604-479-8012.

Summer session lecturer, graduate student spouse, wish to rent from 1 July 1978 to 31 August 1979 either fully-furnished one-two bedroom apartment or unfurnished two-three bedroom house near University. No children, no pets, non-smokers. References, damage deposit provided. Write: D. Sinkwich, Box 472, Valleyview, Alberta T0H 3N0, or telephone 524-3159.

#### Automobiles and accessories

Quality tune-ups, repairs, emergency service. Used cars. Miketon's Automotive. 453-171; 489-7041.

For sale—1976 mobile home; 14x68; fully furnished. Telephone Erwin, 464-6693 after 4 p.m.

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PB Guest Ranch—mountain wilderness holidays for families or singles. Accommodation in large sixteen-room lodge; home cooking. Group activities (seminars, workshops, etc.) Separate summer children's camp. Telephone 452-0710. Box 542, Hinton, Alberta. T0E 1B0.

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Books—old and out-of-print, bought and sold.

Norwood Books, 11302 95 Street. 474-4446. Ken Jackson, proprietor.

Wanted—TVs, working or not. 478-4241. Leave recorded message.

Metal garage door, 8x7. Sansui amplifier AU 555. Murdeshwar, 439-9460 evenings.

Professionals will do graphs and drawings for theses and publications. Reasonable rates. 439-0922 after 5.

Wanted—driver to take our car to Montreal, or nearest point, in May. 436-8503 evenings.

Student Lawn Care—power raking, lawn mowing, low prices. Eric, 475-3026; Dave, 428-7084.

Wanted—good, used bunk bed (double decker) frame. 436-6550.

The staff of Incredible Edibles, HUB Mall, wish our patrons a very full and healthy summer.

Wanted—used set of children's/adults' encyclopedias. 436-0181.

Belgravia Kindergarten—registration for 1978 - 1979. Telephone 435-5560.

Thirty-six-inch LeClerc Artisan floor loom.

Excellent condition. Asking \$230. Telephone 434-9259 after 5 p.m.

It is that time of year again! Interested in having your garden tilled or the grass cut and power raked? Telephone Jerry, 439-3531.

Frigidaire washer and dryer. Excellent condition. \$75 each. Telephone 452-0982.

Office space for lease in growing community: downtown Stony Plain. Suitable for professional, or small retail business such as: dentist, accountant, lawyer, real estate, wall or floor covering, sports shop. Pearl Nielsen, 963-2724.

Royal Glenora Club share, \$230 or nearest offer. Taylor. 432-5627, 436-7941.

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Fenna, RR2 Tofield, Alberta, T0B 4J0. 1-662-2280.  
Reliable student will house sit. Immediately.  
Good references. Judy, 466-2080.

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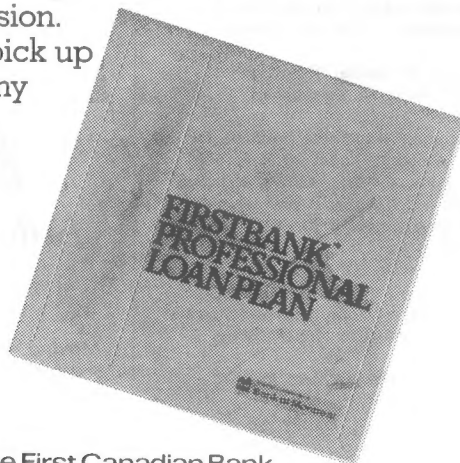
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